- AN 2002-435536 [46]
- Baculovirus IAP repeat domain or RING-finger domain-containing survivin-like polypeptides and encoded DNAs, applicable in diagnosis and screening compounds for treating various candidates.

 apoptosis abnormality
- AB NOVELTY:

 A polypeptide contains an amino acid sequence identical or substantially similar to that in the sequence of (V), its amide, ester or their salt.
 - DETAILED DESCRIPTION:

INDEPENDENT CLAIMS are also included for the following:(1) a polynucleotide containing a polynuclectide encoding the polypeptide with a sequence of (V), its amide, ester or their salt;(2) a recombinant vector;(3) a transformant containing the recombinant vector;(4) a process for producing the polypeptide with a sequence of (V), its amide, ester or their salt, by culturing the transformant to give the product for accumulation and isolation;(6) drugs containing the polypeptide, its amide, ester or their salt, or the polynucleotide;(6) an antibody for the polypeptide, its amide, ester or their salt;(7) drugs containing the antibody;(8) diagnostics containing the antibody, or the polynuclectide;(9) an antisonse DNA complementary to the DNA encoding the polypeptide with a sequence of (V) or its amide, ester or their salt, or a part of its, and having an activity of inhibiting the DNA expression;(10) drugs containing the antisonse DNA;(11) a method for screening compounds or their salts promoting or inhibiting function of the polypeptide with a sequence of (V), its amide, ester or their salt by using them;(12) a kit for screening compounds or their salts promoting or inhibiting function of the polypeptide with a sequence of (V), its amide, ester or their salt containing them; (13) compounds or their salts thus screaned;(14) drugs containing such promoters or inhibitors;(15) preventives or remedies for cander: containing the screened inhibitor; (16) preventives or remedies for apoptosis abnormality containing the screened promoters;(17) a method for preventing or treating apoptosis abnormality by administering the polypeptide with a sequence of (V), its amide, ester or their salt, or its encoded-polynuclectide, or screened promoters, to mammals;(18) a method for preventing or treating camazing administering the antibody, antisense DNA, screened inhibitors to mammals;(19) the use of the polypeptide, its amide, ester or their salt, its encoded polynucleatide and screened promoters for producing preventives or remedies for apoptosis abnormality;(20) the use of the antibody, antisense DNA and screened inhibitors for producing preventives or remedies for outside polypoptide containing an amino acid identical or substantially similar to a sequence of (IX), its amide, ester or their saft;(22) apoptesis promoters, or preventives or remedies for definite containing a polypeptide with a sequence of (IX), its amide, ester or their salt;(23) preventive or remedies for apoptosis abnormality containing an antibody against the polypeptide with a sequence of (IX), its amide, ester or their salt, or its antisense DNA;(24) diagnostics for palear containing an antibody against the polypoptide with a sequence of (IX), its amide, ester or their salt; or the polypeptide-encoded polynucleotide;(25) a method for screening compounds or their salts promoting or inhibiting the polypeptide with a sequence of (IX), its amide, ester or their salt by using them;(26) a kit for screening compounds or their salts promoting or inhibiting the polypeptide with a sequence of (IX), its amide, ester or their salt containing them;(27) apoptosis promoters or inhibitors thus screened; (28) drugs containing the screened promoters or inhibitors; (29) preventives or remedies for parasir containing the screened promoters; (30) preventives or remedies for apoptosis abnormality containing the screened inhibitors;(31) a method for preventing or treating called a dministering the polypoptide with a sequence of (iX), its amide, ester or their salt, or the polypoptide-encoded polynucleotide to mammals;(32) a method for preventing or treating apoptosis abnormality by administering the antibody for the polypeptide wit a sequence of (IX), its amide, ester or their salt, or the antisense DNA to mammals;(33) the use of the polypeptide with a sequence of (IX), its amide, exter or their salt, the polypeptide-encoded polynuclectide, or the screened promoters for producing preventives or remedies for **cates at the second of the second of the polypeptide** with a sequence of (IX), the antisense DNA, or the screened inhibitors for producing preventives or remedies for apoptosis abnormality;(35) a polypaptide with an amino acid sequence identical or substantially similar with a sequence of (VII), or its amide, ester, or their salt;(36) a polynuclectide containing a polynuclectide encoding the polypeptide with a sequence of (VIII);(37) a recombinant vector containing a polynucleotide with a sequence of (Vill);(38) a transformant containing the recombinant vector;(39) a process for producing the polypeptide with a sequence of (VII), its amide, ester or their salt by culturing the transformant to form the product for accumulation and collection; (40) an antibody against the polypoptide with a sequence of (VII), its amide, ester or their salt; (41) diagnostics containing the antibody against the polypeptide with a sequence of (VII), and optionally an antibody for the polypeptide with a sequence of (V) or polynucleotides for the polypoptides with sequences of (VII) or/and (V); and(42) a method for diagnosis of called by using the antibodies for the polypeptides with sequences (VII) orland (V); or the polynucleotides with base sequences of (VIII) and (IV).

ACTIVITY:
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- MECHANISM OF ACTION !
 None given in source material.
- USE :

The poly<u>peptides and encoded DNAs are applicable in diagnosis and screening compounds for treating various distributes and apoptosis abnormality, including gene therapy.</u>

- ADVANTAGE :

The proteins and encoded DNAs are for screening drug candidates with SLIP-ring functions.

- BIOTECHNOLOGY:

Preferred Polypeptides: Such polypeptide is particularly one with a sequence of (V), or (VII). The polypeptide can also be one with a sequence of (IX) which has apoptosis promoting effect. Preferred Polynucleotides: The polynucleotide is preferably a DNA, e.g. with a base sequence of (VI), or (VIII).

- PHARMACEUTICALS:

Preferred Drugs: Such drugs are particularly caspase inhibitors, apoptosis inhibitors, or preventives or remedies for apoptosis abnormality, or preventives or remedies for call and the second of the

- BIOLOGY :

Preferred Antibodies: The antibody is especially a neutralizing antibody with an activity of inactivating the polypeptide with a sequence of (V), its amide, ester or their salt.

Preferred Diagnostics: Such diagnostic is e.g. for consults.

- INSTRUMENTATION AND TESTING:

Preferred Screening Methods: Such method is by comparing the caspase inhibitory activity of the polypeptide with a sequence of (V) in the presence or absence of a test compound; or by comparing the mRNA expression dose of the polypeptide when cells capable of expressing the polypeptide is culture in the presence or absence of a test compound; or by measuring the expression dose of a reporter gene when culturing cells transformed with a DNA obtained by ligating the promoter and enhancer domains of the polypeptide, or promoter domain of the polypeptide to upstream of a reporter gene in the presence or absence of a test compound, particularly by adding an (immobilized) antibody for the polypeptide and labeled version of the polypeptide into the culture solution for competitive reaction and assay.

- ADMINISTRATION:

Administration is oral or non-oral, e.g. at 0.1-10 mg by intravenous.

- EXAMPLE :

A SLIP-gone fragment was searched from a human game database and then obtained from the full-length SLIP gene (SLIP-long, SLIP-short and SLIP-ring) for use in constructing a vector then transformant for clarification of the SLIP protein function and that of its partial papers.

W - BACULOVIRUS REPEAT DOMAIN RING FINGER CONTAIN ENCODE APPLY DIAGNOSE SCREEN COMPOUND TREAT VARIOUS Cantable Biogramal

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ICAN - A81K48/00

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WO0233071

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- IN KAIEDA I; TANAKA H
- AP W02001JP09071 20011016; AU20010094267 20011016; JP20010318533 20011016; [Based on W00233071 A 00000000]
- PR JP20000386809 20001220; JP20000316721 20001017

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2/18

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20 25 30

Cys Ala Glu Cys Ala Pro Gly Leu Gln Leu Cys Pro 11e Cys Arg 35 47

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